

## **BART COSTS**

### **WRAP ANNEX TO GRAND CANYON VISIBILITY TRANSPORT REPORT (JUNE 1999)<sup>a</sup>:**

**LOW COST: < \$500/TON**

**MODERATE COST: \$500 - \$3000/TON**

**HIGH COST: > \$3000/TON**

<sup>a</sup> *Cited in The Regional Haze Regulations and Guidelines for Best Available Retrofit Technology (BART) Determinations; Proposed Rule; F.R. Vol.69, No.87 May 5,2004 p.25198.*

### **INFLATION ADJUSTMENT:**

**JUNE 1999 CPI (1967 DATUM) = 497.9**

**DECEMBER 2006 CPI (1967 DATUM) = 604.5**

**ADJUSTMENT =  $(604.5 - 497.9) / 497.9$   
= 0.214 or 21.4%**

### **ADJUSTED BART COSTS:**

**LOW COST: < \$607/TON**

**MODERATE COST: \$607 - \$3642/TON**

**HIGH COST: > \$3642**

### **SUGGESTED BART COST CEILING:**

**COST EFFECTIVENESS: \$3650/TON**

**INCREMENTAL COST: \$6500/TON<sup>b</sup>**

<sup>b</sup> *In March 2006, the Department determined that an incremental cost of \$6450/ton for the control of NOx at the Northern Sun facility was excessive when determining BACT.*

## **UPDATE AUGUST 2011**

**CPI - December 2006 (1982-84 Datum) = 201.8**

**CPI - August 2011 (1982-84 Datum) = 226.9**

**Adjustment =  $(226.9 - 201.8) / 201.8$   
= 0.124 or 12.4%**

**Adjusted Cost Effectiveness =  $(\$3,650/\text{ton})(1.124) = \$4,103/\text{ton}$**

**Adjusted Incremental Cost Effectiveness =  $(\$6,500/\text{ton})(1.124)$   
=  $\$7,306/\text{ton}$**

**Suggested BART Ceiling (August 2011):**

**Cost Effectiveness =  $\$4,100/\text{ton}$**

**Incremental Cost =  $\$7,300/\text{ton}$**